

Environmental Work Group

A committee of the SSC

- Develops recommendations for consideration by the SSC
- Not an Environmentalists Work Group

Advance RETI mission

Identify and build broad support for the transmission necessary for 33% renewables, with least cost and least environmental impact

Why We Formed an EWG

CREZ Identification considers:

- Cost and value of delivered power
- Environmental impact
- Development certainty
- On-line date

EWG recommends how environmental impacts should be incorporated in evaluating CREZ

EWG Charter

1. Develop and recommend criteria for identifying:
 - Lands to be excluded from consideration as generation or transmission project locations or CREZ;
 - Lands to be avoided as development sites;
 - Lands preferred as generation-transmission development locations.
2. Apply criteria to identify specific lands to be excluded from RETI analysis.
3. Develop and recommend to the SSC criteria for ranking the relative environmental impacts of potentially developable CREZ.

Proactive Transmission

- RPS projects overwhelm BAU transmission development approach, in every region of US
- FERC/CAISO: cost recovery for Location-Constrained Resources
- MN: line approval requires wind
- Development Zones
 - CO, NV: identify zones, transmission
 - Texas: lines to CREZ deemed needed
 - Western Renewable Energy Zones (WREZ)
 - Federal RE Zone legislation

New Development Approach

Focuses development in zones

Coordinates generation and transmission into large-scale, phased projects in limited areas

Limits impacts; preserves habitat, wildlife corridors

Rationalizes social investment in transmission

Enviros: accept large-scale development in limited areas

Generators: accept limits on site locations

Phase 2 Planning Committee

Goal: enable RETI to

WREZ Initiative

Phase 1

- Assess resources, costs across region
- Stakeholders design, identify zones justifying tx

Phase 2

- Conceptual transmission to highest ranking REZ
- WGA Wildlife Corridor, eco-regional design

Phase 3

- Coordinate procurement to support commercial transmission projects

Phase 4

- Interstate permitting, cost allocation agreements

Renewables Targets

| | % WECC energy |
|-------------------------|---------------|
| Current WECC RPS, 2017: | 8% |

CDEAC High Renewables:

| | |
|---------------|-----|
| ■ 68 GW, 2017 | 23% |
|---------------|-----|

DOE-AWEA: 20% wind, 2030:

| | |
|--------------------------|------|
| ■ 300 GW US; 100 GW WECC | ~33% |
|--------------------------|------|

Carbon constraints => more renewables,
more transmission